

#3

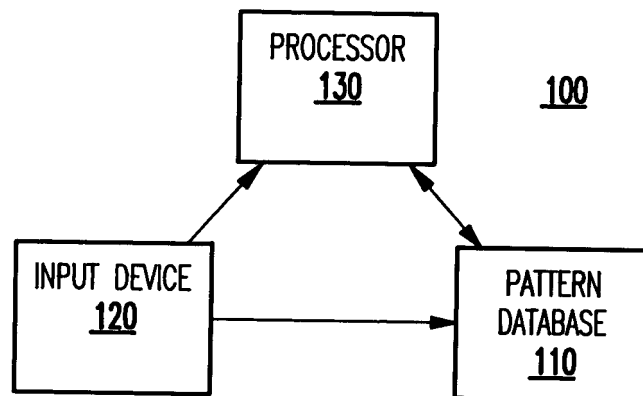


FIG.1

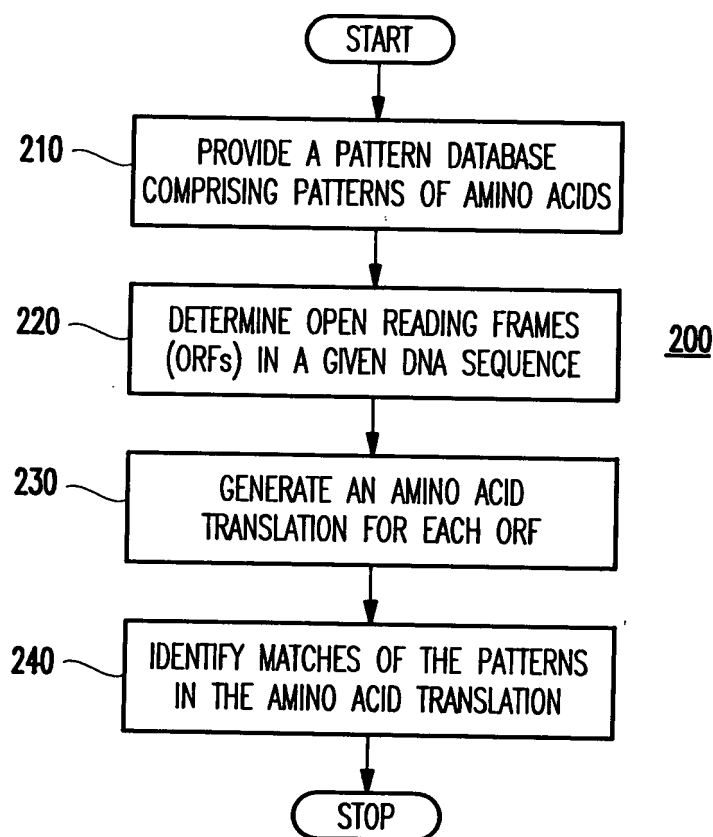
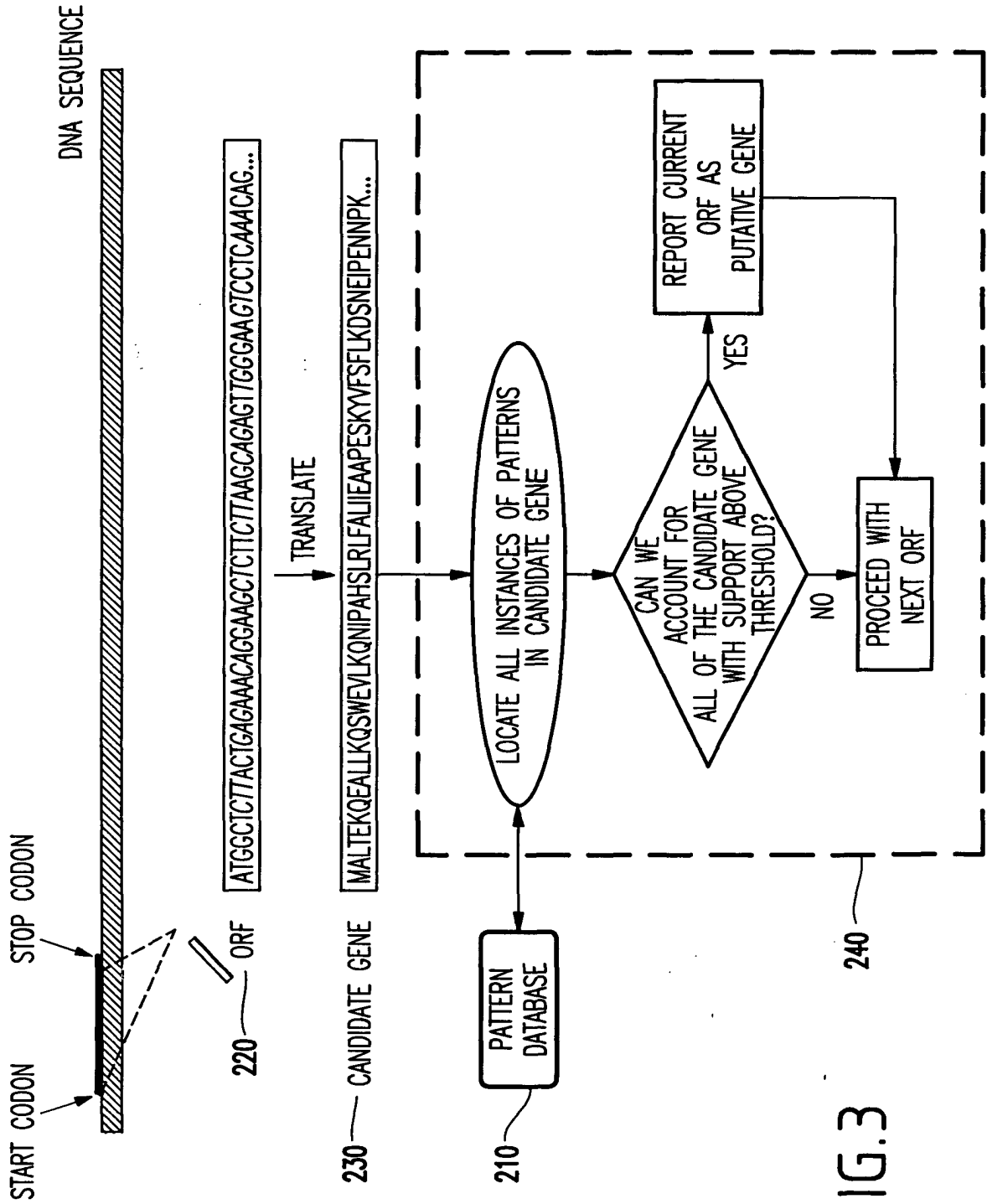


FIG.2



#	ORGANISM	ABBR.	LENGTH	#ORF	#CDS
1	ARCHAEOGLOBUS FULGIDUS DSM4304	AF	2,178,400	73,238	2,407
2	METHANOCOCCUS JANNASCHII DSM2611	MJ	1,664,970	74,456	1,715
3	METHANOBACTERIUM THERMOAUTOTROPHICUM DELTA H	MT	1,751,377	64,726	1,869
4	PYROCOCCUS ABYSSI GE5	PA	1,765,118	64,436	1,765
5	AQUIFEX AEOLICUS VF5	AA	1,551,335	50,591	1,523
6	BORRELLIA BURGDORFERI B31	BB	910,724	40,403	850
7	BACILLUS SUBTILIS 168	BS	4,214,814	167,735	4,101
8	CAMPYLOBACTER JEJUNI NCTC11168	CJ	1,641,481	72,016	1,635
9	CHLAMYDIA PNEUMONIAE CWL029	CPc	1,230,230	50,872	1,052
10	CHLAMYDIA PNEUMONIAE AR39	CPq	1,229,853	50,840	1,110
11	CHLAMYDIA TRACHOMATIS SEROVAR D	CT	1,042,519	42,338	894
12	ESCHERICHIA COLI K12-MG1655	EC	4,639,221	163,600	4,285
13	HAEMOPHILUS INFLUENZAE KW20	HI	1,830,138	83,944	1,709
14	HELICOBACTER PYLORI 26695	HP	1,667,867	67,227	1,567
15	RICKETTSIA PROWAZEKII MADRID E	RP	1,111,523	53,656	835
16	SYNECHOCYSTIS SP. PCC6803	SS	3,573,470	141,204	3,182
17	THERMOTOGA MARITIMA MSB8	TM	1,860,725	57,584	1,846

TABLE 1. DETAILS ON THE 17 GENOMES USED IN OUR EXPERIMENTS

FIG.4A

	(a) 1.0 x #CDS					(B) 1.1 x #CDS				
	ANNOTATED	ADDITIONAL	HITS	SCORE		ANNOTATED	ADDITIONAL	HITS	SCORE	
AF	2319	96.3	88	41	272.0	2381	98.9	267	55	103.7
MJ	1689	98.5	26	7	148.6	1715	100.0	172	12	18.0
MT	1816	97.2	53	6	166.2	1853	99.1	203	9	79.2
PA	1742	98.7	23	5	188.7	1765	100.0	177	20	9.7
AA	1491	97.9	32	6	418.3	1520	99.8	156	25	69.2
BB	850	100.0	0	0	18.0	850	100.0	86	0	0.8
BS	3959	96.5	143	15	214.9	4043	98.6	470	39	108.0
CJ	1630	99.7	5	0	9.2	1634	99.9	165	0	0.7
CPc	1050	99.8	2	1	48.5	1052	100.0	106	5	2.3
CPa	1104	99.5	6	3	13.1	1110	100.0	111	5	2.1
CT	892	99.8	2	2	56.4	893	99.9	91	2	2.4
EC	3958	92.4	327	24	595.1	4062	94.8	652	35	418.4
HI	1697	99.3	12	6	78.8	1709	100.0	171	31	10.1
HP	1552	99.0	15	10	33.7	1565	99.9	159	15	1.5
RP	833	99.9	1	1	76.6	834	100.0	84	2	1.7
SS	3001	94.5	174	4	408.4	3068	96.6	425	8	267.1
TM	1781	96.5	65	27	336.6	1813	98.2	218	37	159.6

TABLE 2. PREDICTION WITH OPTIMAL SEQLET WEIGHTS FOR EACH GENOME.

FIG.4B

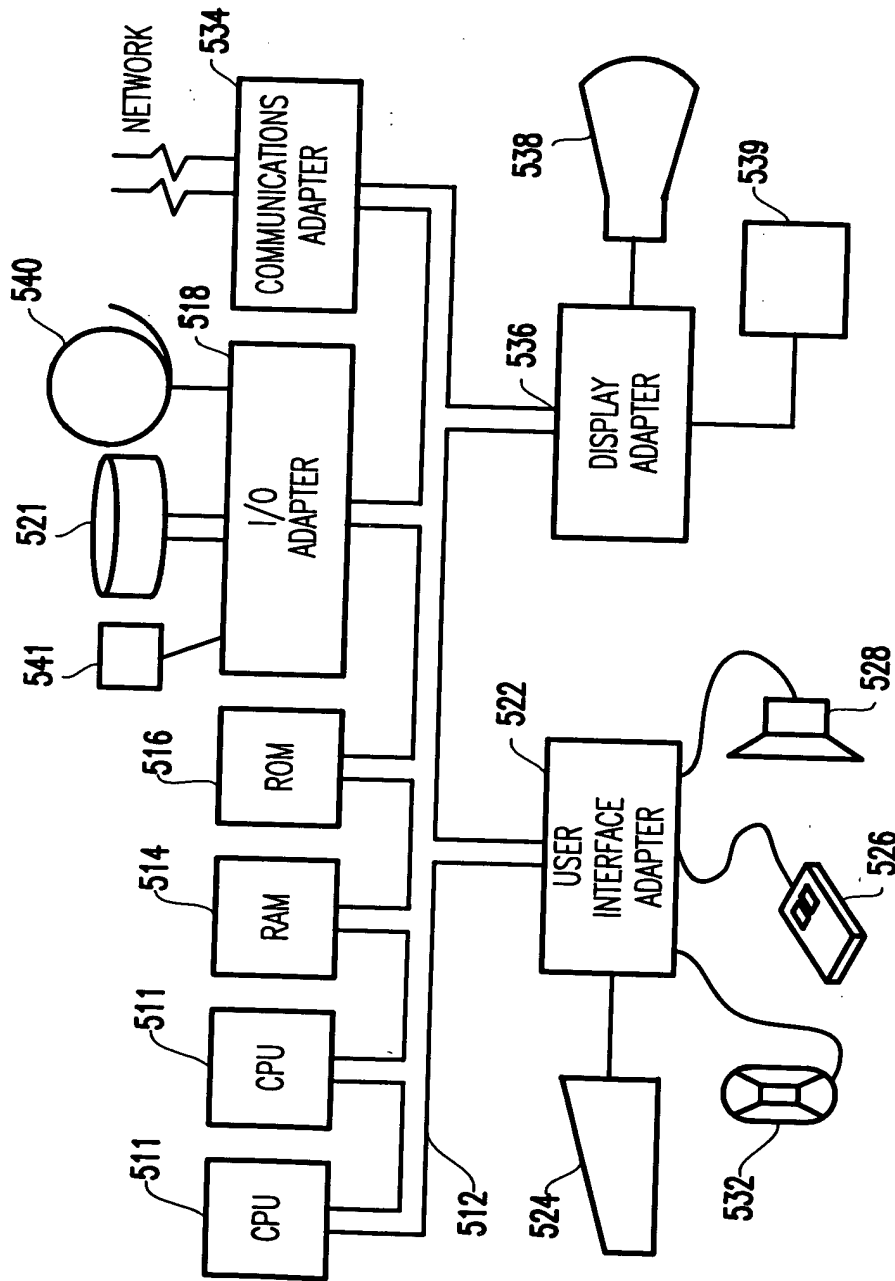


FIG. 5

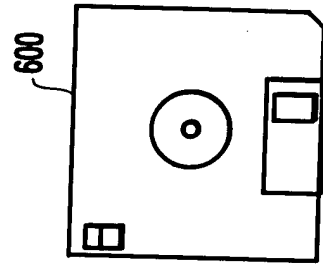


FIG. 6